



Material Safety Data Sheets: *Ice Buster*™

The following data on Ice Buster potash products provides a guide only. Any specific health concerns should be directed to a qualified industrial hygienist.

Section 1: Material Identification and Use

Material: Potash
Brand Name: Ice Buster
Supplier Name: Benick Brands
Emergency Phone #:
Chemical Name: Potassium Chloride
Chemical Formula: KCl
Trade Names: Muriate of Potash, Sylvite
Material Use: Fertilizer, Industrial Chemical or Ice Melter

Section 2: Ingredients of the Material

Ingredients*	Approximate Concentration	C.A.S. Numbers	Exposure Limits	LD50/LC50
KCl	95-99.3 %	7447-40-7	N/A	2430mg/kg oral, rat
NaCl	0.1-4%	7647-14-5	N/A	4000mg/kg oral, rat

(*May also contain up to .05% fuel oil, primary aliphatic amines, ethylene glycol, unsaturated fatty acids, and sterol)

Section 3: Physical Data

Physical State: Solid
Appearance: White to red in color, fine to 4mm size granules
Odor: None to slight diesel fuel odor
Odor Threshold: Not available
Specific Gravity: 2.0
Vapor Pressure: Not available
Vapor Density: Not available
Evaporation Rate: Not available
Boiling Point: Not available
Freezing Point: 773°C
Solubility in Water: @ 20°C -26%
%Volatile by Volume: 0 -0.5
pH: 8-9
Density: 1041 to 1153 kg/mg³
Coefficient of H2O Oil: Not available

Section 4: Fire & Explosion Hazard of Material

Flammable: No
Means Of Extinction: Not applicable



<i>Special Extinguishing Procedures:</i>	<i>Not applicable</i>
<i>Flash Point:</i>	<i>Not applicable</i>
<i>Upper Explosion & Lower Explosion Limit:</i>	<i>Not applicable</i>
<i>Auto Ignition Temperature:</i>	<i>Not available</i>
<i>TDG Flammability Classification:</i>	<i>None</i>
<i>Hazardous Combustion Products:</i>	<i>None</i>
<i>Sensitivity to Chemical Impact:</i>	<i>None</i>
<i>Rate of Burning:</i>	<i>Not available</i>
<i>Explosive Powder:</i>	<i>None</i>
<i>Sensitivity to Static Discharge:</i>	<i>None</i>

Section 5: Reactivity Data

<i>Chemical Stable:</i>	<i>Yes</i>
<i>Incompatible to Other Substances:</i>	<i>No</i>
<i>Reactivity:</i>	<i>None</i>
<i>Hazardous Decomposition Products:</i>	<i>None</i>

Section 6: Toxicological Properties of Product

<i>Route to Entry:</i>	<i>Skin or eye contact, inhalation, ingestion</i>
<i>Effects of Acute Exposure to Product:</i>	<i>Minor skin, respiratory tract or eye irritation</i>
<i>Effects of Chronic Exposure to Product:</i>	<i>May reduce lung function</i>
<i>LD50:</i>	<i>Not available</i>
<i>LC50:</i>	<i>Not available</i>
<i>Irritancy:</i>	<i>Causes minor eye & skin irritation</i>
<i>Sensitization:</i>	<i>Not reported</i>
<i>Synergistic Materials:</i>	<i>None reported</i>
<i>Exposure Limit:</i>	<i>None established (10mg recommended for nuisance dust)</i>
<i>Carcinogenic:</i>	<i>No</i>
<i>Reproductive Effects:</i>	<i>None</i>
<i>Teratogenic:</i>	<i>No</i>
<i>Mutagenic:</i>	<i>No</i>

Section 7: Preventative Measures

<i>Personal Protective Equipment:</i>	<i>Dust mask for dusty conditions & safety glasses</i>
<i>Engineering Controls:</i>	<i>Use local or area ventilation to remove dust</i>
<i>Spill Procedures:</i>	<i>Place in containers or vehicle with shovels or loaders, flush area with water</i>
<i>Waste disposal:</i>	<i>Uncontaminated material may be used as fertilizer, waste may be disposed of in suitable land fill in accordance with applicable regulations</i>
<i>Handling Procedure:</i>	<i>Avoid generating dust by unnecessary or excessive vigorous movements</i>
<i>Storage Requirements:</i>	<i>Keep dry, avoid contact with carbon steel & aluminum</i>

Shipping Information:

Keep covered

Section 8: First Aid Measures

Skin: Flush with water, obtain medical attention if rash develops

Eye: Flush with running water for at least 15 minutes & obtain medical attention

Inhalation: Obtain medical advice if symptoms persist

Ingestion: Obtain medical attention. Ingestion of large amounts usually causes purging of the stomach by vomiting

Section 9: Preparation Date of MSDS

Prepared by: K. W. Reid, manager Environmental Affairs

Date: February 1992

Section 10: OSHA Hazard Communication Standard;

Section 11: US Department of Transportation (DOT) Information

Section 12: US Regulations

Section 13: Canadian Regulations

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